



2001 Toxics Release Inventory

WEST VIRGINIA

Reported Releases and Other Waste Management Activities (in pounds)

	Total
On-site Releases	74,723,651
Air Emissions	59,430,131
Surface Water Discharges	3,788,537
Underground Injection Class I Wells	14,397
Underground Injection Class II-V Wells	0
On-site Land Releases to RCRA Subtitle C Landfills	5,484
Other On-site Land Releases	11,485,102
Off-site Releases (Transfers Off-site to Disposal)*	5,416,357
Total On- and Off-site Releases	80,140,007
Recycled On-site	39,403,298
Recycled Off-site	7,317,538
Energy Recovery On-site	33,525,628
Energy Recovery Off-site	11,401,247
Treated On-site	168,522,361
Treated Off-site**	6,481,176
Quantity Released On- and Off-site***	80,107,693
Total Production-related Waste Managed	346,758,940
Non-production-related Waste Managed	1,226,288
Transfers Off-site for Further Waste Management, including Disposal	
Recycling	7,235,428
Energy Recovery	11,475,188
Treatment	3,560,682
Publicly Owned Treatment Works (POTWs)	2,874,212
Metals and Metal Category Compounds*	58,406
Non-metal TRI Chemicals**	2,815,806
Other Off-site Transfers****	0
Transfers Off-site to Disposal (not including metals to POTWs)	5,486,759
Total Transfers Off-site for Further Waste Management, including Disposal	30,632,270

* Transfers to POTWs of metals and metal category compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

State Contact

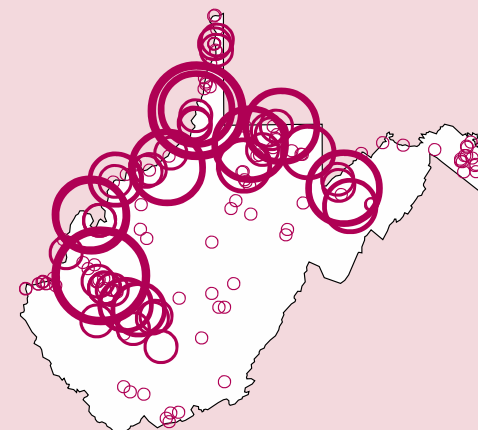
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To obtain TRI data use

assistance, call TRI User
Support Service (TRI-US):
(202) 566-0250
tri.us@epa.gov



The largest circle in the state map represents the largest facility for on-site releases in the state of West Virginia. All circles are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	1,800,975
Square Miles	24,087
Total Facilities	188
Total Forms	1,058
Form As	55

	Total
National Rank for Total On- and Off-site Releases*	
Rank	21
Pounds	80,140,007
National Rank for Total On-site Releases**	
Rank	20
Pounds	74,723,651
National Rank for Total Releases within State***	
Rank	21
Pounds	79,825,086
National Rank for Production-related Waste Managed	
Rank	27
Pounds	346,758,940

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Five Chemicals Ranked on Total Releases in the State (All Chemicals)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	42,836,845	1,280	0	0	142,174	42,980,299	2,862	0	142,174
7664-93-9	Sulfuric acid	5,057,462	0	0	0	0	5,057,462	0	0	0
—	Barium compounds	62,139	25,779	0	3,432,783	974,133	4,494,834	5,907	909,421	64,712
7664-39-3	Hydrogen fluoride	3,722,619	19,090	0	0	0	3,741,709	0	0	0
—	Nitrate compounds	0	2,443,433	0	3,696	0	2,447,129	0	0	0

On-site and Off-site Releases for PBT Chemicals Ranked on Total Releases in the State

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
—	Lead compounds	11,215.39	1,963.31	0.00	1,365,667.42	156,955.03	1,535,801.15	2,388.84	147,089.53	9,865.50
7439-92-1	Lead	4,098.98	26,023.30	0.00	495,943.00	4,685.48	530,750.76	169.00	1,937.48	2,748.00
—	Polycyclic aromatic compounds	21,416.25	72.23	0.00	0.00	282,692.70	304,181.18	0.10	271,903.70	10,789.00
191-24-2	Benzo(g,h,i)perylene	844.71	0.15	0.00	0.00	36,735.89	37,580.75	0.00	36,573.69	162.20
7439-97-6	Mercury	1,475.17	160.01	0.00	2,553.91	16,677.56	20,866.65	0.00	19.21	16,658.35
—	Mercury compounds	4,806.42	5.00	0.00	2,628.22	1,067.70	8,507.34	136.40	755.80	311.90
79-94-7	Tetrabromobisphenol A	2.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00
—	Dioxin and dioxin-like compounds	0.12	0.01	0.00	0.00	0.00	0.13	0.00	0.00	0.00
—	<i>Dioxin and dioxin-like compounds (in grams)</i>	<i>52.237</i>	<i>2.806</i>	<i>0.000</i>	<i>0.000</i>	<i>2.134</i>	<i>57.178</i>	<i>0.000</i>	<i>1.714</i>	<i>0.420</i>
118-74-1	Hexachlorobenzene	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1336-36-3	Polychlorinated biphenyls (PCBs)	0.00	0.00	0.00	0.00	0.00	0.00	400.00	0.00	0.00
309-00-2	Aldrin	—***	—	—	—	—	—	—	—	—
57-74-9	Chlordane	—***	—	—	—	—	—	—	—	—
76-44-8	Heptachlor	—***	—	—	—	—	—	—	—	—
465-73-6	Isodrin	—***	—	—	—	—	—	—	—	—
72-43-5	Methoxychlor	—***	—	—	—	—	—	—	—	—
29082-74-4	Octachlorostyrene	—***	—	—	—	—	—	—	—	—
40487-42-1	Pendimethalin	—***	—	—	—	—	—	—	—	—
608-93-5	Pentachlorobenzene	—***	—	—	—	—	—	—	—	—
8001-35-2	Toxaphene	—***	—	—	—	—	—	—	—	—
1582-09-8	Trifluralin	—***	—	—	—	—	—	—	—	—

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

*** No reports were submitted for these chemicals.

** The chemical ranking is based on the amounts in this column.



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On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (All Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
American Electric Power John E. Amos Plant, Winfield, Putnam	10,343,078	5,999	0	0	0	587,825	10,936,902	1,255,621	802
American Electric Power Mitchell Plant, Moundsville, Marshall	9,166,044	12,770	0	0	0	1,267,933	10,446,747	4,972	0
Allegheny Energy Inc. Fort Martin Power Station, Maidsville, Monongalia	5,758,425	645	0	0	0	47,032	5,806,102	0	0
Mt. Storm Power Station, Mount Storm, Grant	3,907,869	1,636	0	0	0	1,631,090	5,540,595	0	22,810
American Electric Power Mountaineer Plant, New Haven, Mason	4,022,973	3,433	0	0	0	826,903	4,853,309	20,042	1,187
American Electric Power. Philip Sporn Plant, New Haven, Mason	3,813,053	5,224	0	0	0	956,978	4,775,255	0	2,561
American Electric Power Kammer Plant, Moundsville, Marshall	3,787,408	42,400	0	0	0	291,217	4,121,025	1,872	1,900
Pleasants/Willow Island Power Stations, Willow Island, Pleasants	2,401,439	8,868	0	0	0	1,441,640	3,851,947	0	0
American Bituminous Power Partners L.P., Grant Town, Marion	1,126,378	0	0	0	0	2,384,170	3,510,548	901,100	0
American Electric Power Kanawha River Plant, Glasgow, Kanawha	2,091,402	6,750	0	0	0	40	2,098,192	340,774	0

On-site and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (PBT Chemicals)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases	
	Underground Injection				On-site Releases to Land			(Transfers Off-site to Disposal)	
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds		Transferred Within State Pounds	Transferred Out of State Pounds
American Bituminous Power Partners L.P., Grant Town, Marion	120.12	0.00	0.00	0.00	0.00	1,000,170.00	1,000,290.12	62,100.00	0.00
Patriot Mining Co. Inc. Guston Run Mine, Pursglove, Monongalia	0.00	12,578.00	0.00	0.00	0.00	251,562.00	264,140.00	0.00	0.00
Patriot Mining Co. Inc. Metz Mine, Star City, Monongalia	1.00	13,570.00	0.00	0.00	0.00	233,397.00	246,968.00	0.00	0.00
U.S. Steel Mining Co. L.L.C. Pinnacle Sys., Pineville, Wyoming	1.80	0.00	0.00	0.00	0.00	110,560.00	110,561.80	0.00	0.00
Mt. Storm Power Station, Mount Storm, Grant	8,304.00	10.00	0.00	0.00	0.00	48,090.00	56,404.00	0.00	212.00
American Electric Power Mitchell Plant, Moundsville, Marshall	593.10	10.00	0.00	0.00	0.00	45,732.00	46,335.10	3,305.00	0.00
Pleasants/Willow Island Power Stations, Willow Island, Pleasants	658.00	7.40	0.00	0.00	0.00	34,440.00	35,105.40	0.00	0.00
American Electric Power. Philip Sporn Plant, New Haven, Mason	622.10	0.00	0.00	0.00	0.00	32,483.00	33,105.10	0.00	900.00
American Electric Power Mountaineer Plant, New Haven, Mason	542.30	0.00	0.00	0.00	0.00	30,642.00	31,184.30	2.00	67.00
American Electric Power John E. Amos Plant, Winfield, Putnam	904.89	36.00	0.00	0.00	0.00	21,553.00	22,493.89	48,601.00	642.00

* The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (All Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
American Electric Power John E. Amos Plant, Winfield, Putnam	0	244,000	0	0	2,077,000	0	12,188,205	14,509,205	0
American Electric Power Mitchell Plant, Moundsville, Marshall	0	66,507	0	0	974,000	0	10,446,393	11,486,900	0
Allegheny Energy Inc. Fort Martin Power Station, Maidsville, Monongalia	0	0	0	0	0	0	5,799,680	5,799,680	0
Mt. Storm Power Station, Mount Storm, Grant	0	0	0	0	3,680,184	0	5,575,504	9,255,688	0
American Electric Power Mountaineer Plant, New Haven, Mason	0	34,400	0	0	560,000	0	4,862,002	5,456,402	0
American Electric Power. Philip Sporn Plant, New Haven, Mason	0	34,407	0	0	1,237,000	0	4,781,702	6,053,109	0
American Electric Power Kammer Plant, Moundsville, Marshall	0	29,406	0	0	1,523,000	0	4,122,742	5,675,148	0
Pleasants/Willow Island Power Stations, Willow Island, Pleasants	0	0	0	0	8,990,000	0	3,854,280	12,844,280	0
American Bituminous Power Partners L.P., Grant Town, Marion	0	0	0	0	497,200	0	3,515,300	4,012,500	0
American Electric Power Kanawha River Plant, Glasgow, Kanawha	0	15,930	0	0	776,000	0	2,436,231	3,228,161	0

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (PBT Chemicals)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site* Pounds	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Koppers Inds. Follansbee Tar Plant, Follansbee, Brooke	3,460.00	0.00	0.00	0.00	1,900.00	0.00	306,000.00	311,360.00	0.00
Patriot Mining Co. Inc. Guston Run Mine, Pursglove, Monongalia	0.00	0.00	0.00	0.00	0.00	0.00	264,139.00	264,139.00	0.00
Patriot Mining Co. Inc. Metz Mine, Star City, Monongalia	0.00	0.00	0.00	0.00	0.00	0.00	233,398.00	233,398.00	0.00
American Bituminous Power Partners L.P., Grant Town, Marion	0.00	0.00	0.00	0.00	0.00	0.00	160,300.00	160,300.00	0.00
U.S. Steel Mining Co. L.L.C. Pinnacle Sys., Pineville, Wyoming	0.00	0.00	0.00	0.00	0.00	0.00	110,560.00	110,560.00	0.00
American Electric Power John E. Amos Plant, Winfield, Putnam	0.00	0.00	0.00	0.00	0.00	0.00	72,305.00	72,305.00	0.00
Mt. Storm Power Station, Mount Storm, Grant	0.00	0.00	0.00	0.00	184.00	0.00	56,504.00	56,688.00	0.00
American Electric Power Mitchell Plant, Moundsville, Marshall	0.00	7.00	0.00	0.00	0.00	0.00	49,593.00	49,600.00	0.00
Pleasants/Willow Island Power Stations, Willow Island, Pleasants	0.00	0.00	0.00	0.00	0.00	0.00	34,780.00	34,780.00	0.00
American Electric Power. Philip Sporn Plant, New Haven, Mason	0.00	5.00	0.00	0.00	0.00	0.00	33,602.00	33,607.00	0.00

* The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.